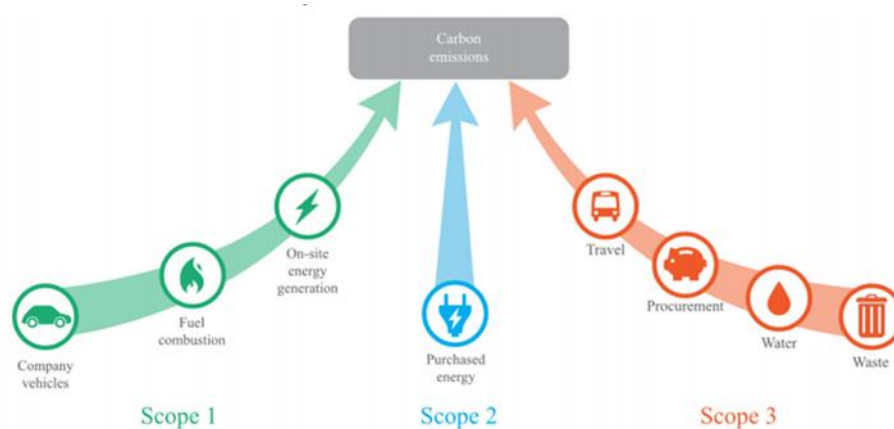


Lewes District Council Carbon Baseline Report 2018/19

This report is provided to define the baseline against which the council will monitor its progress against its net zero carbon target by 2030.

We have calculated the baseline using the Greenhouse Gas (GHG) Protocol methodology and the appropriate annual conversion factors for 2018 and for 2019 issued by the Department for Business, Energy and Industrial (BEIS). By using this method and these figures we are ensuring that the baseline emissions we measure can be reported accurately every year to 2030 using a peer reviewed and agreed process. Our choice of which emissions we include within the baseline have also been chosen with this in mind.

Emissions are divided into three categories referred to as Scope 1, 2 and 3 as illustrated below.



Baseline emissions are reported as carbon dioxide equivalents (CO₂e) and are calculated using the Scope 1 and 2 emissions detailed in the table below.

Scope 3 emissions are not something we directly control, they occur when we buy a product or service and the emissions are produced somewhere else. They can be more difficult than scope 1 and 2 to determine accurately. We will report these emissions as our data collecting procedures improve and where we feel the figures will be accurate. Our ability to reduce emissions from scope 3 sources will also be more difficult but we will work to report them and will clarify those where we have influence or not (for example- our emissions from water use is within our sphere of influence, we can try to reduce consumption once we know what we consume accurately)

Category	Description	Data used in this analysis
Scope 1	Direct emissions from sources owned or controlled by Lewes District Council	Metered gas data (for buildings where the Council pay the gas bills) Litres of fuel consumed for fleet vehicles
Scope 2	Indirect emissions from the generation of energy purchased by Lewes District Council	Metered electricity data (for buildings where the Council pay the electricity bills)
Scope 3	Indirect emissions that result from other activities that occur in the value chain, either upstream or downstream.	Not reported this year.

Baseline emissions

Based on the Council’s directly controllable consumption of gas, electricity and fuel the baseline emissions for 2018/19 financial year are approximately **1,590 tonnes CO₂e (tCO₂e)**.

This figure is included within the District wide emissions of 542,000 tCO₂e. As such the Council’s Scope 1 and 2 emissions accounts for just **0.3% of the overall footprint for the District**.

Fig. 1 Total council baseline emissions

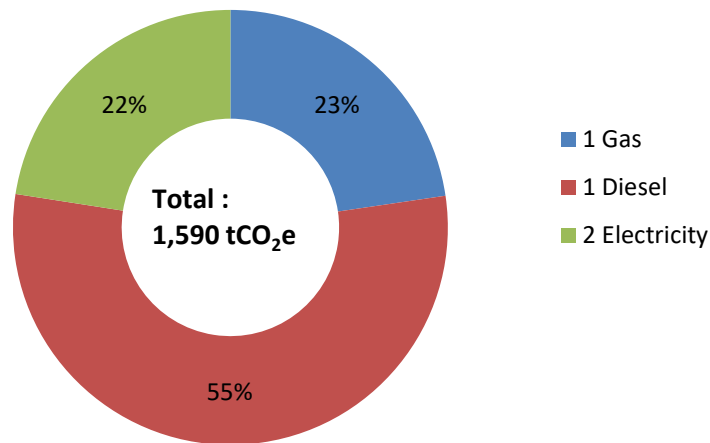


Fig. 2 Scope 1 emissions by source

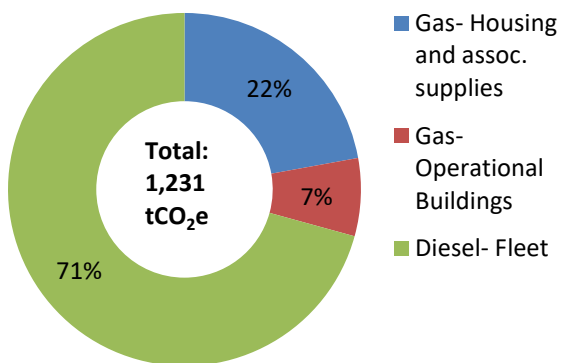


Fig.3 Scope 2 emissions from electricity use, by source

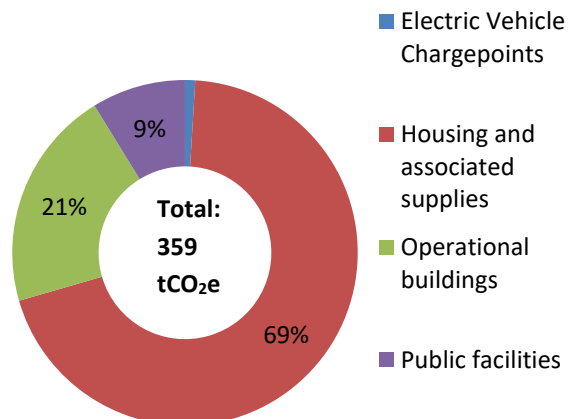
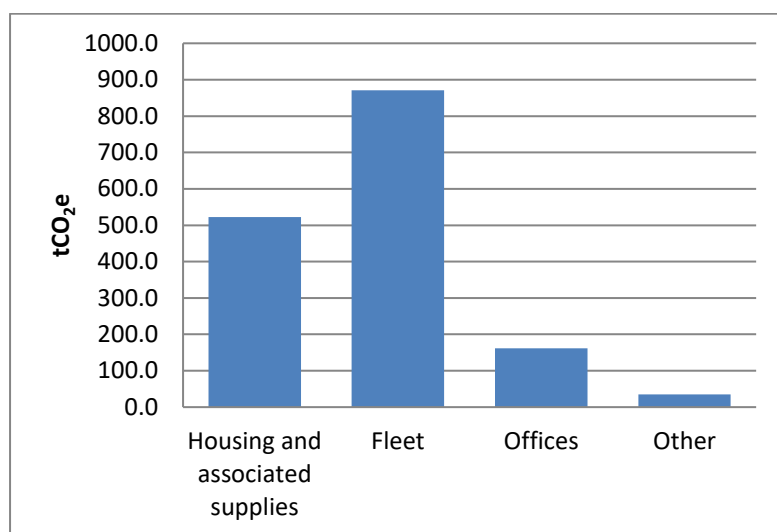


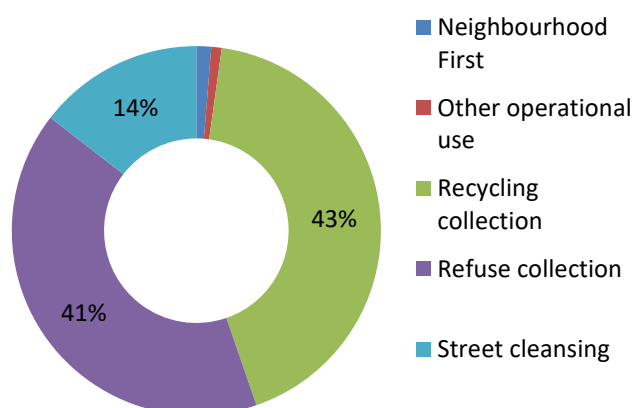
Fig. 4 Emissions by operational source



Figures 1 and 4 shows that our diesel fleet of small vans and our waste and recycling vehicles make up the bulk of our emissions accounting **for 55%** of the total so decarbonising this area will be key to hitting our net zero carbon goals. The various sources of our vehicular emissions can be seen in Fig.5 below. The exception to this is charging our electric vehicle, the emissions of which are contained in our Scope 2 electricity figure.

84% of our fleet emissions come from our waste and recycling collection vehicles. This area of fleet decarbonisation is at an early stage of development but we are not alone in needing to work out how we do this cost effectively so working in partnership on a regional approach to alternative fuels will help us work towards a zero carbon fleet.

Fig. 5 Fleet emissions by operational area



Housing and associated supplies

The types of energy consumed in this category is largely made up of gas and electricity consumed at our sheltered housing schemes and is supplemented by numerous landlord supplies for things like TV aerial boosters and public way lighting in and around our social housing stock.

This area forms a substantial part of our baseline and accounts for **33%** of the total council footprint.

We shall attempt to determine the contribution that social housing makes to our district emissions- this is an action with the strategy action plan.

Operational Buildings

This category includes in this baseline consumption from offices, depots, buildings that we lease out but pay the bills and sites that we are currently not operating out of. The bulk of our emissions in this category are from gas and electricity consumed at our main office Southover House and our waste and recycling depot at Robinson Road.

Southover House also has solar panels which reduces are purchased electricity consumption. We are in the process of determining the generation capacity we have at our offices and on our housing stock.

Operational buildings account for **10%** of our baseline footprint

Scope 3 emissions

We intend to report our directly controllable scope 3 using the table below as a starting point.

When we report next year, we will report 18/19 data where possible.

Currently the easiest way to calculate our emissions from the things we buy is done using financial spend based conversion factors. We believe that this is not appropriate or helpful as this actively encourages contract award on the basis of lowest cost rather than sustainability. We will improve our procurement practices qualitatively, involving partners locally and regionally, to meet the goals of the Climate Change and Sustainability Strategy and will report improvement through the action plan.

We anticipate that the scope 3 emissions for which we are responsible would be much more substantial than our scope 1 and 2 baseline combined.

Data source	2018/19 emissions
Business mileage of private vehicles	
Business travel on public transport	
Water consumption records	
Electricity transmission and distribution (from consumption records)	30.5 tCO ₂ e
Waste generated through own operations	